



US 20180357871A1

(19) **United States**(12) **Patent Application Publication**  
**Siminoff**(10) **Pub. No.: US 2018/0357871 A1**(43) **Pub. Date: Dec. 13, 2018**(54) **INFORMATIVE IMAGE DATA GENERATION  
USING AUDIO/VIDEO RECORDING AND  
COMMUNICATION DEVICES**(52) **U.S. Cl.**  
CPC . **G08B 13/19673** (2013.01); **G08B 13/19691**  
(2013.01); **H04N 7/186** (2013.01)(71) Applicant: **Amazon Technologies, Inc.**, Seattle,  
CA (US)(57) **ABSTRACT**(72) Inventor: **James Siminoff**, Pacific Palisades, CA  
(US)(21) Appl. No.: **16/003,035**(22) Filed: **Jun. 7, 2018****Related U.S. Application Data**(60) Provisional application No. 62/516,270, filed on Jun.  
7, 2017.**Publication Classification**(51) **Int. Cl.**  
**G08B 13/196** (2006.01)  
**H04N 7/18** (2006.01)

Some embodiments provide for receiving image data representative of a field of view of a camera of an audio/video (A/V) recording and communication device during a period time and sensor data generated by a sensor or a hub device at a time. A time-based association between the A/V recording and communication device and the sensor may be determined. Based at least in part on the time and the period of time, it may be determined that the time is within the period of time and that the time being within the period of time satisfies the time-based association. The image data and the sensor data may be correlated to create updated data, and the updated data may be included within a generated message. The message may then be transmitted to a client device associated with the A/V recording and communication device.

